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Do not assume content reflects current scientific knowledge, policies, or practices.





WATER SUPPLY OUTLOOK FOR ARIZONA

Prepared by

U. S. DEPARTMENT of AGRICULTURE * SOIL CONSERVATION SERVICE

Collaborating with

SALT RIVER VALLEY WATER USERS ASSOCIATION and ARIZONA AGRICULTURAL EXPERIMENT STATION

Data included in this report were obtained by the agencies named above in cooperation with the Federal, State and private organizations listed on the last page of this report. MAR. 1, 1971

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbis Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters of key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 970, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

ENT of

CONSERVATION OF WATE BEGINS WITH THE SNOW SURVEY

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources, Service, Parliament Building, Victoria, British Columbia

WATER SUPPLY OUTLOOK FOR ARIZONA

and FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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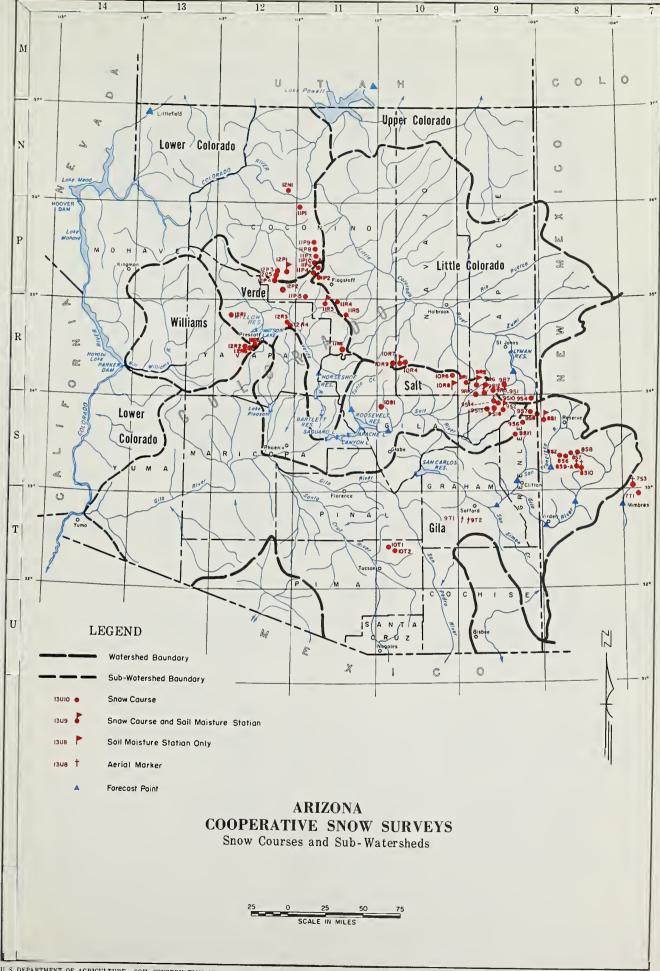
PRESIDENT
SALT RIVER VALLEY WATER
USERS ASSOCIATION

Report prepared by

RICHARD W. ENZ, Snow Survey Supervisor

SOIL CONSERVATION SERVICE ROOM 6029 FEDERAL BUILDING PHOENIX, ARIZONA 85025





INDEX to SNOW COURSES and SOIL MOISTURE STATIONS

NUMBER	NAME	<u>SEC</u> .	TWP.	RGE.	ELEV.	ORAINAGE	OBSERVER
11P10-A	Agassiz	32	23N	7E	11200	Little Colorado	SCS-USBR
11R6 9S1-A 9S15 9S16 10T1 9S6 12P5 12P4 9S10-*	Baker Butte (p) Baldy (p) Baldy #2 Baldy #3 Bear Wallow Beaver Head Bill Williams Intermediate Bill Williams Summit Black River Oivide Bright Angel	4 28 12 13 6 13 17 17 10 34	12N 7N 6N 6N 12S 4N 21N 21N 6N 33N	9E 27E 26E 26E 16E 30E 2E 27E 3E	7300 9125 9750 10950 8100 8000 8550 8950 9400 8400	Verde Little Colorado Little Colorado Little Colorado Gila San Francisco Cataract Verde Salt Bright Angel Creek	SCS SCS-FS SCS-FS FS Pvt-SRP FS FS SCS NPS
12R1 10R7-M 10R9 12P1-M 9R7 12R6 10R8-* 9S7 9T2-A	Camp Wood Canyon Creek #2 Canyon Point (p) Chalender Cheese Springs Copper Basin Oivide (p) Corduroy Creek Coronado Trail Crazy Horse	3 18 28 27 28 23 4 26 34	16N 11N 11N 22N 8N 13N 8N 5N	6W 15E 14E 3E 27E 3W 21E 30E 24E	5700 7500 7600 7100 8600 6720 6000 8000 10200	Verde Little Colorado Salt Verde Little Colorado Verde Salt San Francisco Gila	FS SCS SCS FS SCS SCS SCS FS
7T1	Emory Pass #1	16	16S	9W**	7800	Mimbres	SCS
7T2	Emory Pass #2	16	16S	9W**	7800	Mimbres	SCS
10R6	Forest Oale	2	9N	21E	6430	Salt	BIA
9R5	Ft. Apache	18	7N	27E	9160	Little Colorado	SCS
11P2	Ft. Valley (p)	22	22N	6E	7350	Little Colorado	FS
8S1-M	Frisco Oivide	31	6S	20W**	8000	San Francisco	FS
12R4	Gaddes Canyon	11	15N	2E	7600	Verde	Pvt
11P1	Grand Canyon	21	30N	4E	7500	Hance Creek	NPS
9S11	Hannagan Meadows (p)	19	3N	29E	9090	San Francisco	Pvt
11R5	Happy Jack	30	17N	9E	7630	Verde	FS
9R10	Hawley Lake	13	7N	24E	8300	Salt	BIA
10R4	Heber (p)	28	11N	15E	7600	Little Colorado	SCS
9T1-A	High Peak	34	8S	24E	10500	Gila	FS
8S9-A	Hummingbird	19	11S	17W**	10550	Gila	Pvt-SCS
8S6 11P9 11P8 11P7 12R2	Ice King Inner Basin #1 (p) Inner Basin #2 (p) Inner Basin #3 Iron Springs	6 28 28 3 22	11S 23N 23N 23N 23N 14N	18W** 7E 7E 7E 3W	8020 10000 9750 10250 6200	San Francisco Little Colorado Little Colorado Little Colorado Bill Williams	Pvt-SCS SCS-USBR SCS-USBR SCS-USBR SCS
9S2-A 7S3-A 9R2-M 9R1 12R3 8S2 11R4 11R3-M-A 9S12-A	Maverick Fork (p) McKnight Cabin McNary Milk Ranch Mingus Mountain Mogollon Mormon Lake Mormon Mountain (p) Mt. Ord	13 10 23 33 3 2 13 14	6N 15S 8N 8N 15N 11S 18N 6N	27E 10W** 23E 23E 2E 19W** 8E 8E 26E	9150 9300 7200 7000 7100 7000 7350 7500	Salt Mimbres Salt Salt Verde San Francisco Little Colorado Verde Salt	SCS Pvt-SCS BIA BIA Pvt Pvt SCS SCS SRP-SCS
11P5-M	Newman Park	25	19N	6E	6750	Verde	SCS
9S4	Nutrioso	23	6N	30E	8500	San Francisco	FS
8\$7	Redstone Trail	5	11S	18W**	8600	San Francisco	Pvt
10T2	Rose Canyon	15	12S	16E	7300	Gila	FS
8S8	Silver Creek Divide	4	11S	18W**	9000	San Francisco	Pvt
9S14-A	Smith Cienega	10	6N	26E	10050	Salt	SRP-SCS
11P4	Snow Bowl #1 (p)	36	23N	6E	10260	Verde	FS
11P6	Snow Bowl #2	31	23N	7E	11000	Verde	FS
9S8	State Line	6	6S	21W**	8000	San Francisco	FS
12P2	White Horse Lake Jct.	2	20N	2E	7180	Verde	FS
12R5	White Spar	19	13N	2W	6000	Verde	SCS
8S10-A	Whitewater	19	11S	17W**	10750	Gila	Pvt-SCS
12P3	Williams Ski Run	9	21N	2E	7720	Cataract	FS
9R6	Wilson Lake (p)	4	7N	26E	9000	Salt	SCS
10S1	Workman Creek	33	6N	14E	6900	Salt	FS

M SOIL MOISTURE STA.

A AERIAL SNOW DEPTH MARKER

(p) STORAGE GAGE

** SOIL MOISTURE STA. ONLY

** NM PRINCIPAL MERIOIAN

ARIZONA WATER SUPPLY OUTLOOK

MARCH 1, 1971

SNOW COVER

Several storms occurred in the last two weeks increasing the snow cover at all snow courses. The amount of snow, however, is slight at the lower elevations and will probably disappear in a week or so, producing little or no runoff. Snow cover now varies from 1/4 of average on the Gila Watershed to 3/4 of average on the Verde. The Salt and Little Colorado Watersheds fall in between with 30 and 51% of average respectively.

PRECIPITATION

During the last half of February better than average precipitation occurred at most stations. Once again, the Verde faired best with amounts as high as 4" being received at Mormon Mountain and on the San Francisco Peaks.

SOIL MOISTURE

Soil moisture is near normal on the Salt and Verde Watersheds, but much below normal on the Gila. Heavy precipitation in the near future will yield significant runoff on the Verde; moderate on the Salt, and slight on the Gila.

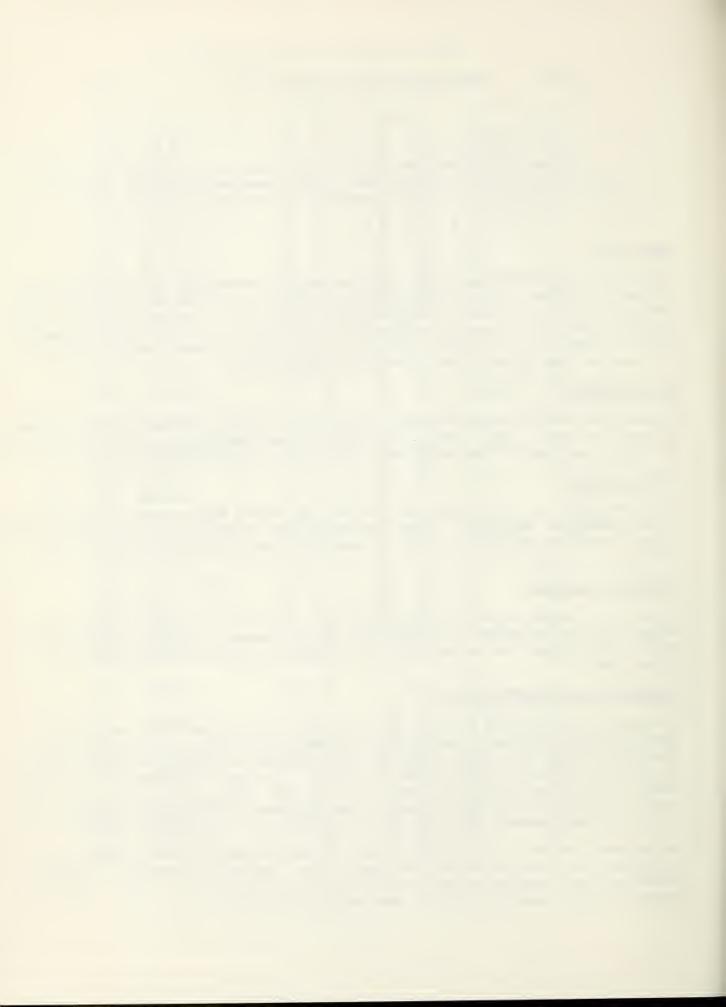
RESERVOIR STORAGE

Reservoir storage is still near average or above in all major reservoirs except San Carlos which contains only 7% of average. The Salt River Project Reservoirs dropped below the 1953-67 15-year average for the first time since 1965.

STREAMFLOW AND WATER SUPPLY

Streamflow this season will be only slightly better than that received in 1967 if precipitation is near normal in March and April. The Salt River Project streams are predicted to produce 100,000 acre-feet during the March through May period. This is 30% of normal. The Gila is forecast to flow 25% of normal and the Little Colorado only 13%. The only bright spot in the state is along the Colorado River. Storage there is 67% above average and the April-July runoff of 7,180 million acre-feet is 10% above average.

Water supplies will be adequate in all major irrigated areas except on the San Carlos Project and along the Upper Gila. An apportionment of 1/2 an acre-foot has been declared for the San Carlos Project this year. This is 28% of average and only 1/5 of that received last year.



ABOUT

STREAMFLOW FORECASTS MAR. 1, 1971		THIS YEAR	Y	PAST R	
BASIN STREAM and/or FORECAST POINT	Thousand Acre Feet	Percent of Average	FORECAST -	Last Year	Average +
SALT RIVER DRAINAGE					
Salt near Roosevelt Tonto Creek near Roosevelt Verde River above Horseshoe	55.0 4.0 51.0	27 18 48	Mar-May Mar-May Mar-May	135.6 10.4 81.2	202.4 22.5 106.5
GILA RIVER DRAINAGE					
Gila River near Gila Gila River near Solomon Gila River near Solomon Gila River near Virden Frisco River at Clifton Frisco River at Glenwood	12.0 18.0 7.0 9.5 9.0 3.5	38 25 18 26 23 22	Mar-May Mar-May March Mar-May Mar-May Mar-May	21.6 38.0 19.3 22.4 20.0 6.5	32.3 73.0 38.4 36.3 38.7 16.0
MIMBRES RIVER DRAINAGE					
Mimbres River near Mimbres	0.5	21	Mar-May	, 5	2,4
COLORADO RIVER DRAINAGE					
Little Colo. River above Lyman Dam Colorado River Lake Powell Inflow *	1.0	13 110	Mar-June Apr-July	4.9	7.8 6527.0
VIRGIN RIVER DRAINAGE					
Virgin River nr. Littlefield	37.0	110	Apr-June	12.7	33.4
GRANITE CREEK DRAINAGE					
Granite Creek Willow Creek	0.7		Mar-May Mar-May		
The Gila River near Solomon is April 3.	expected	to fl	w above	LOO cfs (mtil
+ Based on the 15-year period, 1953-67					
* Forecast issued by Soil Conservation Service, Salt Lake City, Utah					
	- 2	-			

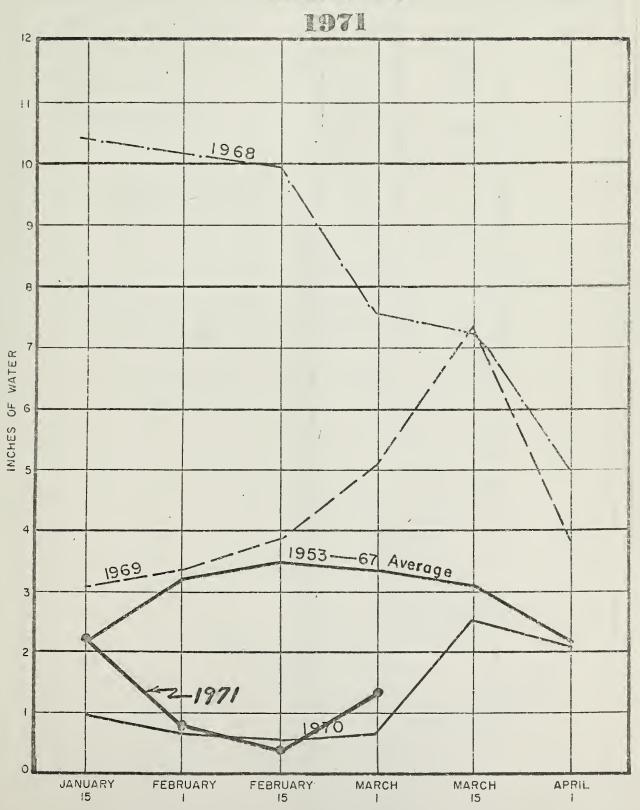


RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH ABOUT MARCH 1, 1971

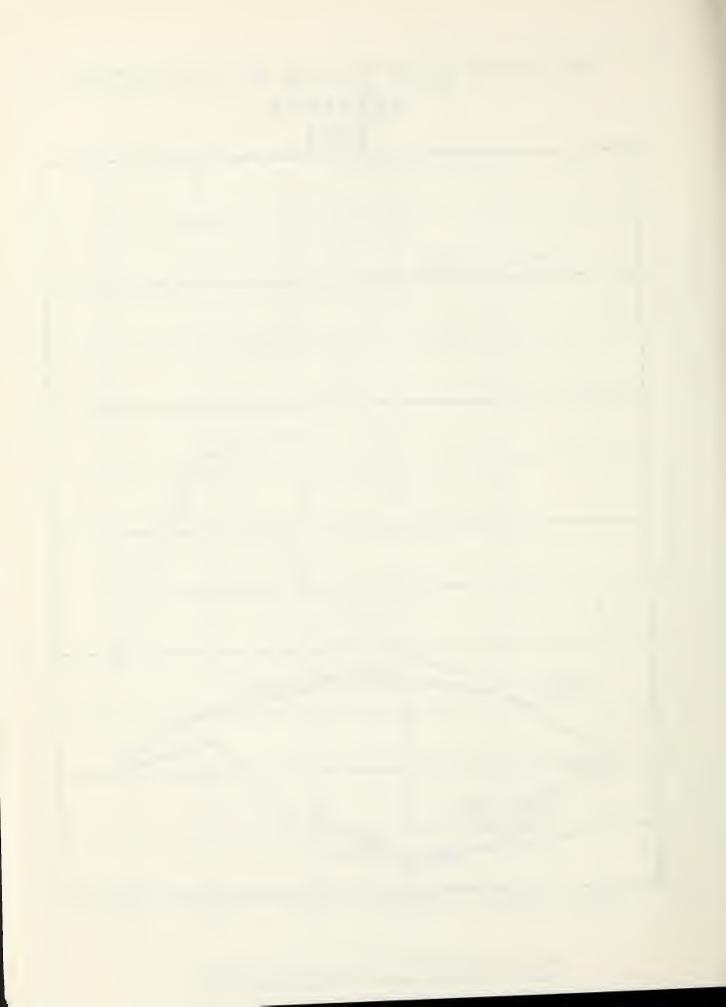
		Heable		Usable Storage	
Basin or Stream	RESERVOIR	Usable Capacity	This Year	Last Year	Average +
GILA RIVER DRAINAGE					
Agua Fria	Lake Pleasant	157,6	75.9	72.1	42.2
Granite	Watson Lake	4.7	1.8	1.5	
Granite	Willow Creek	6.1	1.0	2.2	
Gila	San Carlos	984.6	7.5	180.5	110.9
Verde (2)	Bartlett & Horseshoe	317.7	157.7	103.8	, 117.8
Salt (4)	Roosevelt, Apache, Canyon & Saguaro	1755.0	928.1	1259.2	960.6
COLORADO RIVER DRAINAGE					
Colorado	Lake Havasu	619.4	547.4	538.6	535.4
Colorado	Lake Mohave	1810.0	1699.8	1612.9	1697.0
Colorado	Lake Mead	26159.0	16,523.	16854.0	16415.8
Colorado	Lake Powell	25002.0	12:414.	9456 ^0	
Little Colorado	Lyman	30.6	11.6	20.0	9.5
Little Colorado	Show Low Lake	5.1	0.3	0,2	1.6*
Based on 15-year * Average is for	er period, 1953=67 less than 15 years		d		
		- 3 -			



RELATIVE SNOW WATER ACCUMULATION ARIZONA



This graph represents the average snow water content on eleven selected snow courses on Arizona Sub-Watersheds.



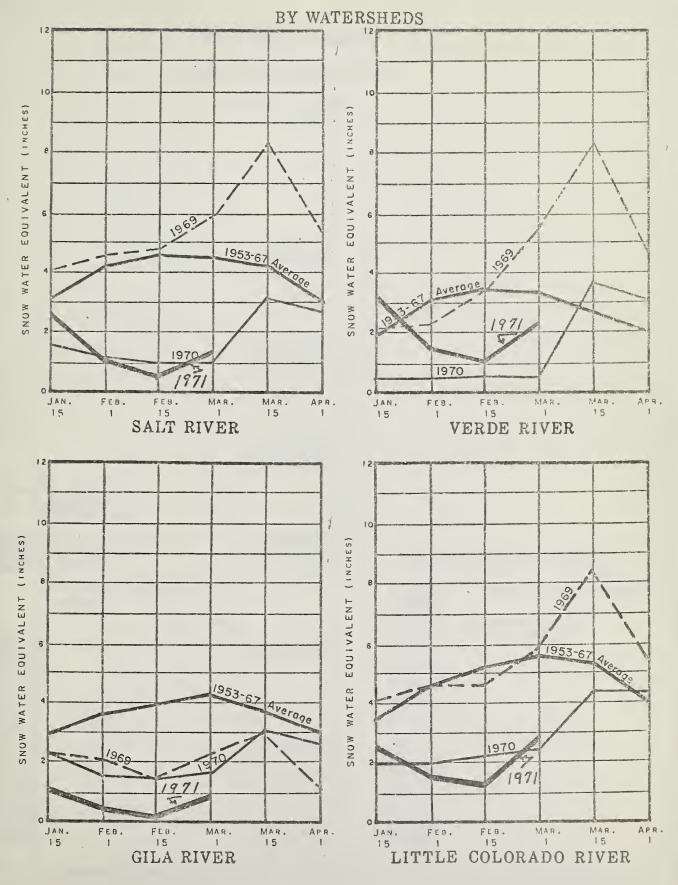
SUMMARY of SNOW MEASUREMENTS (COMPARISON WI

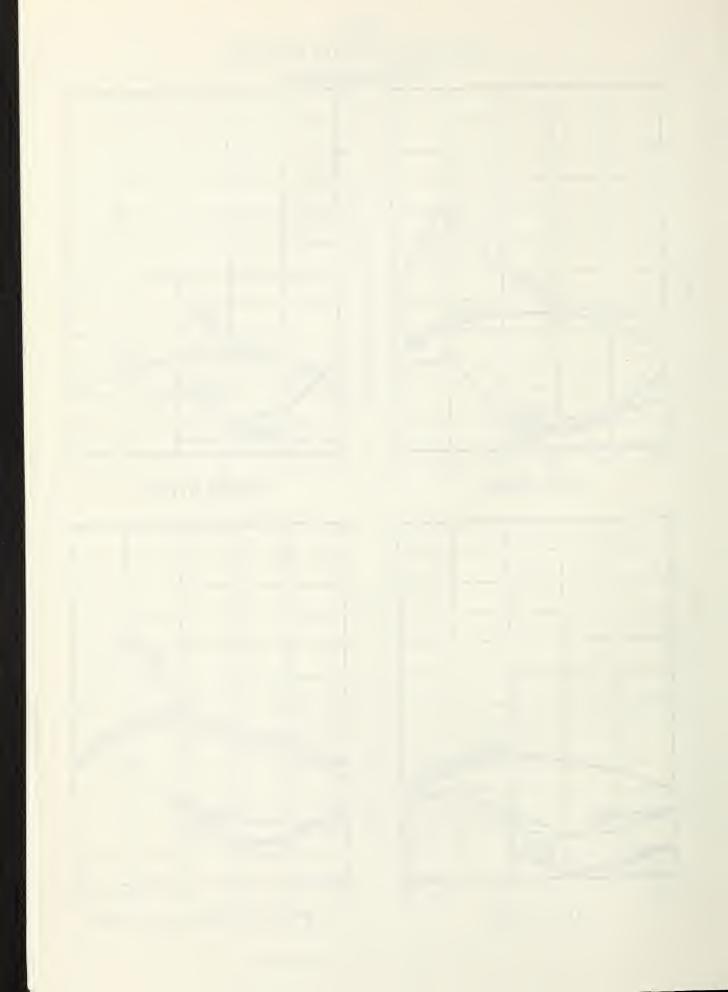
MARCH 1, 1971

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR'S SNOW WA	TER AS PERCENT (Average
G:1			
Gila	10	56	23
Salt	10	137	30
Verde	10	500	73
Little Colorado	5	118	51
	- 5 -		



1971 ARIZONA SNOW COVER





WATER SUPPLY INVENTORY

SALT RIVER VALLEY SYSTEM

MARCH 1, 1971

	3,000,000	₽
	2,500,000	
	2,000,000	
AVERAGE SUPPLY ON MARCH 1	ក ក្	
Average Summer Runoff	1,500,000	ANTICIPATED 1971 SUPPLY *
Average Spring Runoff	ਨ ਨ ਸ	Average Summer Runoff Forecast Runoff
	1.000.000	(Mørch-May)
Average Storage		
Storage	500,000	Present Storage
	,	
	0	

Based on Present Storage + Forecast Spring Runoff + Average Summer Runoff

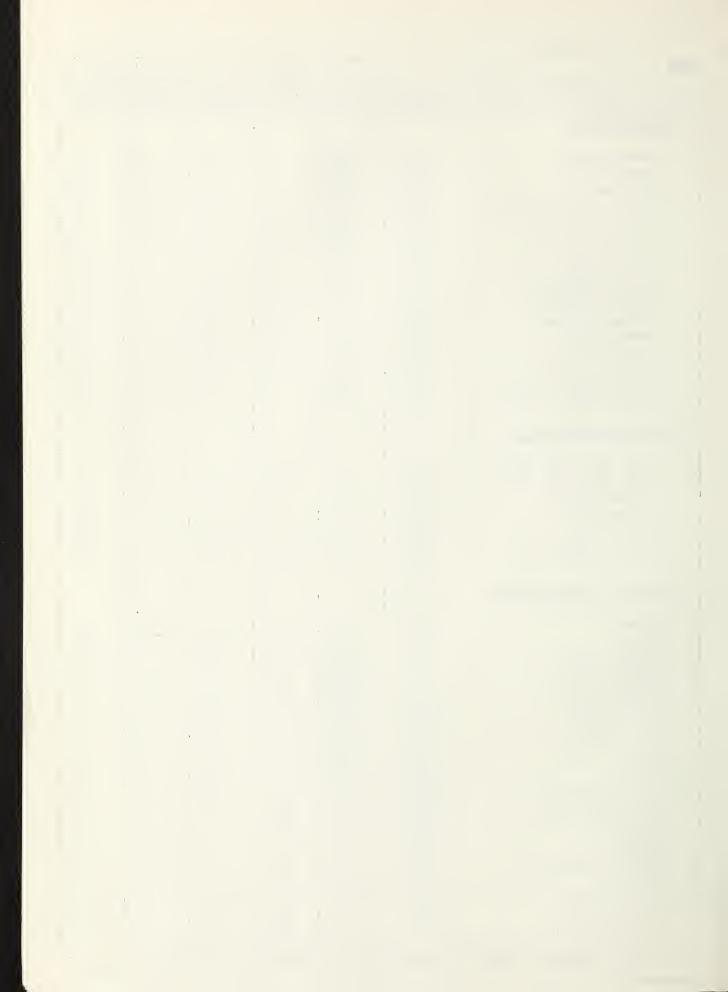


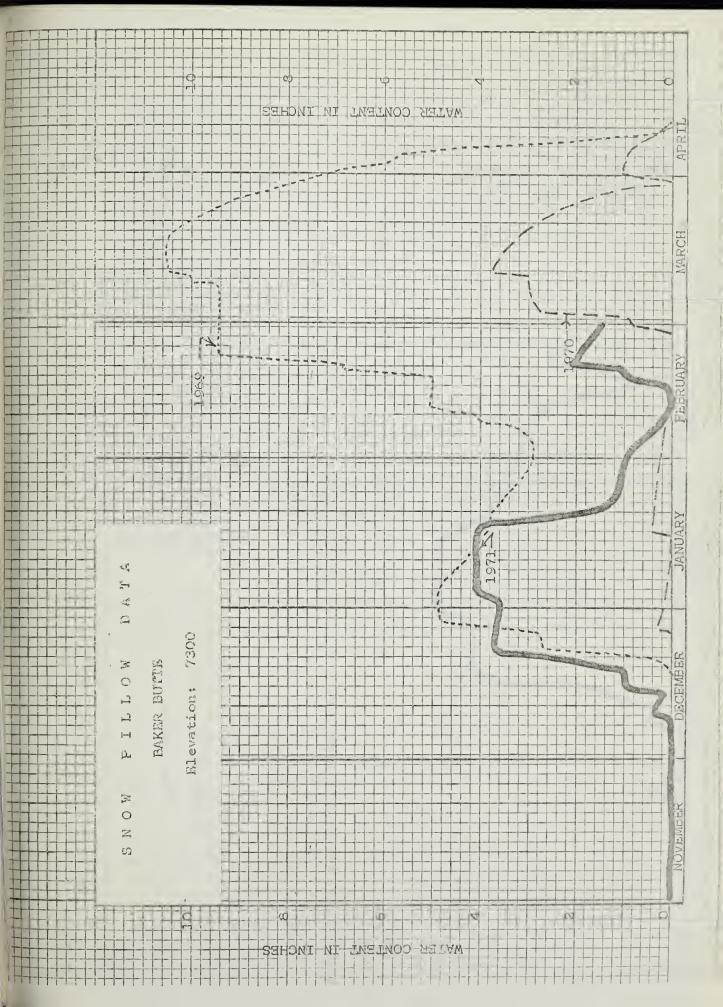
0W 115001 1111011 1, 1971	1		THIS YEAR		PAST R	ECORD
DRAINAGE BASIN and/or SNOW COURSE		Date	Snow Depth	Water Content	Water Conte	ent (inches)
NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	Average
GILA RIVER						
Bear Wallow	8100	3/1	8	2.0	0.0	4.4
Beaver Head	8000	2/26	1	0.1	0.0	2.3
Coronado Trail	8000	2/26	2	0.8	0.0	2.1
Crazy Horse (A)	10200					2.1
Emory Pass #1 *	7800	2/25	0	0.0	0.0	
Emory Pass #2 *	7800	2/25	0	0.0	0.5	
Frisco Divide	8000	3/2	5	1.1	0.3	2.0
Hannagan Meadows *	9090	2/26	7	1.0	2.9	8.6
High Peak (A)	10500				2.9	0.0
Hummingbird (A)	10550	3/3	19	2.8	13.7	13.9
McKnight Cabin * (A)	9300	3/3	6	1.0	3.0	
Mogollon	7000	2/28	Ö	0.0	0.0	1.9
Nutrioso	8500	2/26	2	0.9	0.0	1.6
Redstone Trail	8600	2/28	7	1.5	5.2	7.6
Rose Canyon	7300	3/1	6	2.3	0.0	2.3
Silver Creek Divide	9000	2/28	13	3.5	7.6	10.6
State Line	8000	3/2	3	0.6	0.0	1.9
Whitewater (A)	10750	3/3	48	9.6	19.6	16.8
SALT RIVER						
Baldy *	9125	2/26		2.5	2 0	
Beaver Head	8000	2/26	8	1.7	1.2	6.8
Canyon Creek	7500	2/28	1 3	0.1	0.0	2.3
Canyon Point	7600	2/28	5	0.7	0.0	2.8
Coronado Trail	8000	2/26	2	1.3	0.0	3.3
Forest Dale	6430	3/1	6	0.8	0.0	2.1
Ft. Apache	9160	2/26	16	0.5	0.0	0.6
Hannagan Meadows	9090	2/26	7	3.6	4.6	7.3
Hawley Lake	8300	3/1	17	1.0	2.9	8.6
Heber	7600	2/28	3	1.0	0.2	6.0
Maverick Fork	9050	2/26	7	1.1	0.0	2.9
McNary	7200	3/1	7	1.2	1.1	8.2
Milk Ranch	7000	3/1	5	0.5	0.0	2.0
Mt. Ord (A)	11000	2/26	48	10.6	0.0	1.0
Nutrioso *	8500	2/26	2	0.9	11.8	18.0
Smith Cienega (A)	9850	2/26	28	7.0	0.0	1.6
Wilson Lake	9000	2/26	27	6.6	9.9	12.8
Workman Creek	6900	2/23	9	2.4	6.1	9.6
ILL WILLIAMS RIVER						3.0
Camp Wood *	5700	2/26	0	0.0	0.0	
Copper Basin Divide	6720	3/1	5	1.2	0.0	0.4
Iron Springs	6200	3/1	3	0.7	0.0	1.67
1953-67 15-year period.	(*) Adia	cent dr	inace			0.2
djusted average. (A) Aeri	al obser	vation:	Water	content	estimat	ed.



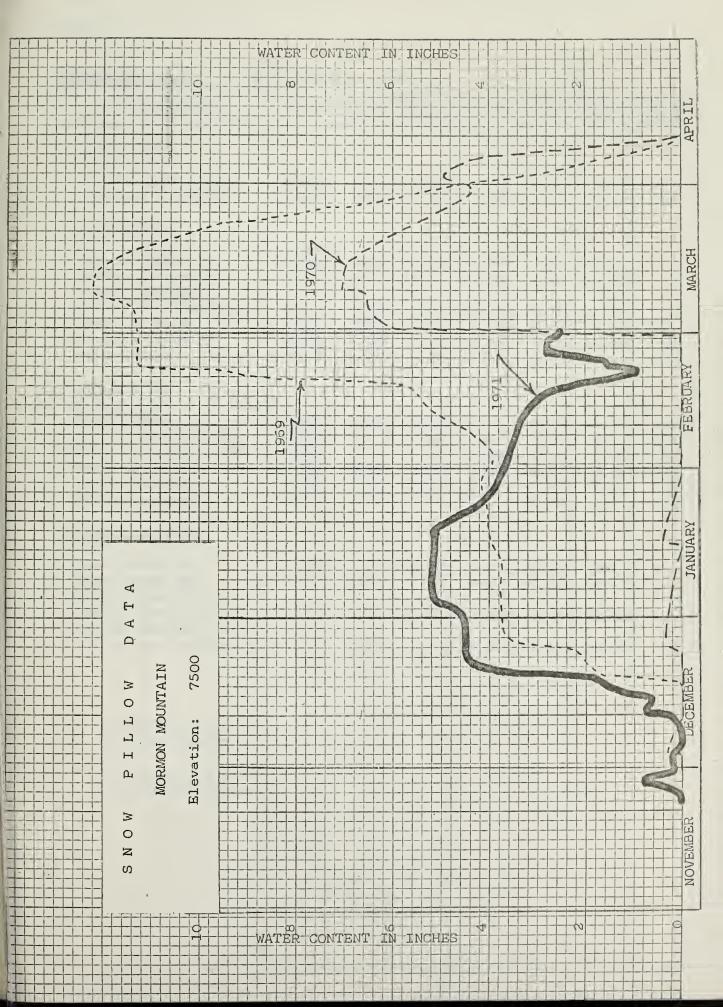
V			THIS YEAR		PAST R	ECORD
DRAINAGE BASIN and/or SNOW COURSE		Date	Snow Depth	Water Content	Water Conte	nt (inches)
NAME	Elevation	of Survey	(Inches)	(Inches)	Last Year	Average
VERDE RIVER						
Baker Butte	7300	2/28	9	3.0	0.0	4.
Camp Wood	5700	2/26	Ö	0.0	0.0	0.4
Chalender	7100	3/1	9	1.4	0.0	2.
Copper Basin Divide	6720	3/1	5	1.2	0.0	1.
Fort Valley	7350	3/1	8	1.1		
Gaddes Canyon	7600	2/28	14	3.4	0.0	1.
Happy Jack	7630	2/26	8	1.5	0.0	4.
Iron Springs *	6200	3/1	3	0.7	0.0	2.
Mingus Mountain	7100	2/28	4	1.3	0.0	0.
Mormon Lake *	7350	3/1	17	2.3	0.0	0.
Mormon Mountain	7500	3/1	17	2.3	0.0	2.
Newman Park	6750	3/1	10	1.4	0.0	4.
Snow Bowl #1	10260	3/1	27	6.5	0.0	1.
Snow Bowl #2	11000	3/1	40	8.9	4.8	8.
White Horse Lake Jct.	7150	3/2	9	1	6.5	13.
White Spar	6000	3/1	1	1.6 0.3	0.0	0.
LOWER COLORADO RIVER		·				0.
Bill Williams Int.	0550	2 /1	0.0	0.7		
Bill Williams Summit	.8550	3/1	22	3.7	0.7	00 ga (
Bright Angel	8950	3/1	32	7.1	3.6	
Chalender *	8400	2/1				
Fort Valley	7100	3/1	9	1.4	0.0	2.3
Grand Canyon	7350	3/1	8	1.1	0.0	1.8
Williams Ski Run	7500 7720	3/1 3/1	6 26	1.4 5.0	0.0	1.5
LITTLE COLORADO RIVER		-, -	20			
Agassiz	11200	3/3	48	10.6	12.0	
Baldy	9125	2/26		10.6	13.8	
Canyon Creek	7500	2/28	8. 3		1.2	6.8
Canyon Point	7600	2/28	5 5	0.7	0.0	2.8
Cheese Springs	8600	2/26	19		0.0	3.3
Forest Dale	6430	3/1	6	4.4	3.9	
Ft. Apache	9160	2/26	16	0.5	0.0	0.6
Fort Valley	7350	3/1		1	4.6	7.3
Happy Jack *	7630	2/26	8 8	1.1	0.0	1.8
Heber	7630 7600	2/28	3	1.5	0.0	2.7
Inner Basin #1		3/2		1.0	0.0	2.9
Inner Basin #1 Inner Basin #2	10100		14	3.0	12.0	
Inner Basin #2	9750	3/2	25	5.5	6.1	
McNary	10250	3/2	38	9.9	6.5	
Mormon Lake	7200	3/1	7	1.2	0.0	2.0
Mormon Mountain	7350	3/1	17	2.3	0.0	2.9
Nutrioso	7500	3/1	17	2.3	0.0	4.1
Snow Bowl #1	8500	2/26	2	0.9	0.0	1.6
Snow Bowl #1 Snow Bowl #2	10260	3/1	27	6.5	4.8	8.7
Wilson Lake *	11000 9000	3/1	40	8.9	6.5	13.4
1953-67 15-yr period	9000	2/26	27	6.6	6.1	9.6

Adjusted average. (A) Aerial observation: Water content estimated. USDA-SCS-PORTLAND, OREG. 1989











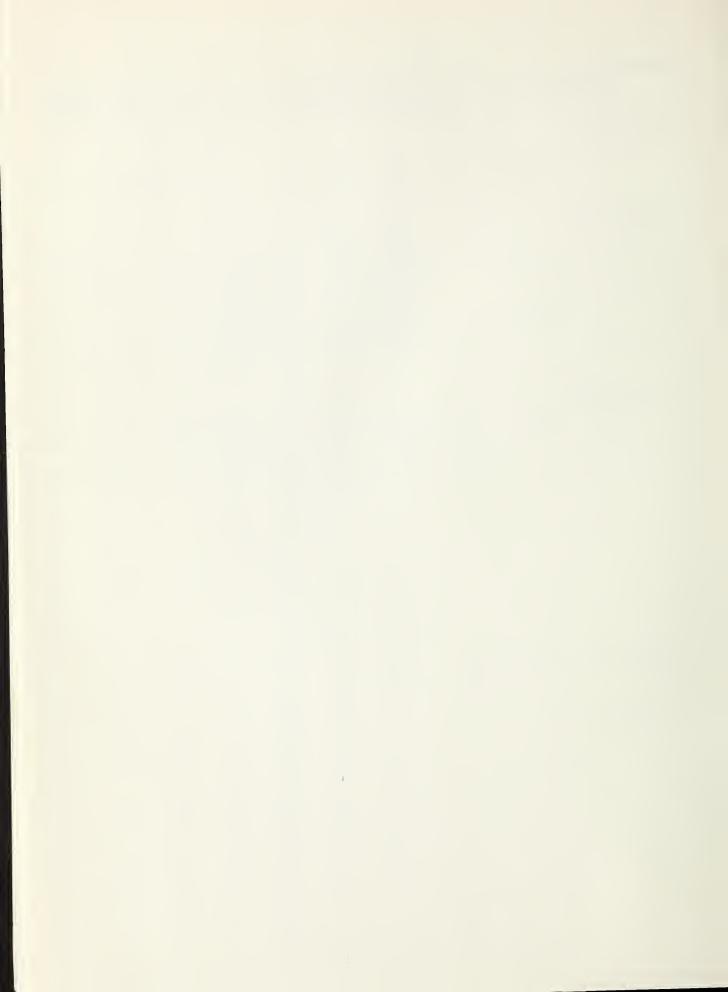
PRECIPITATION (Inches) ABOUT MARCH 1, 1971

RECIPITATION (Inches) ABOUT MARCH 1, 1971 CURRENT INFORMATION FROM APPROX. NOV. 1 TO DATE									
DRAINAGE BASIN and	ELEVATION	Date of	Month's				TO DATE Percent of		
PRECIPITATION GAGE LOCATION		Reading	Precipitation	Average +	This Year	Average	Average		
GILA RIVER									
Silver Creek Divide Hannagan Meadows	9000 9030	2/28 2/26			4.90 4.34	10.10	42		
SALT RIVER									
Canyon Point Hannagan Meadows Little Wildcat	7600 9030	2/28 2/26		2.20	9.36 4.34	10.10	42		
(Heber Snow Course) Maverick Fork Workman Creek ** Wilson Lake	7600 9050 6970 9100	2/28 2/26 2/23 2/26	1.55 1.03	2.30 2.24 2.84		11.37 ² 9.93 ² 13.88			
VERDE RIVER		_, _			0.120				
Baker Butte Copper Basin Divide Fort Valley ** Happy Jack ** Mingus Mountain Mormon Mountain	7300 6720 7350 7480 7660 7500	2/28 3/1 3/1 2/26 2/28 3/1	2.33 1.48 1.31 1.82 2.05 4.15	1.66 2.15	8.07 5.61 4.90 6.21 5.87 11.89	7.26 8.87 7.75	67 70 76		
LITTLE COLORADO									
Inner Basin #1 Inner Basin #2 Sheep Crossing	9830 10050	3/2 3/2	3.35 4.05		10.25				
(Baldy Snow Course) Little Wildcat	9125	2/26	1.85	1.99*		9.42*			
(Heber Snow Course)	7600	2/28	1.41	2.30*	6.90	11.37*	61		
† 1953-67 Average * Adjusted Average									
** Data Supplied by U.S.Forest Service									
		- 12	B1						
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ABOUT MARCH 1, 1971

DRAINAGE BASIN and/or STATION		Profile	(Inches)	Date of	Soil 1		
Name	Elevation	Depth	Capacity	Survey	This Year	Last Year	Average
GILA RIVER							
Frisco Divide	8000	48	13.3	3/2	5.9	10.	10,
SALT RIVER							
Black River Divide	9100	48	16.8	2/26	17.8	17.8	15.
Canyon Creek	7500	48	18.3	2/28	17.6	17.0	15.
Corduroy Creek	6000	36	13.5	2/26	8.3	9.3	8.
McNary	7200	48	16.3	2/26	14.5	14.0	14.
VERDE RIVER							
Mormon Mountain	7500	48	16.1	3/1	15.3	17.5	15.
Newman Park	6750	48	17.7	3/1	18.4	13.1	14.
†1953-67 15-year average							
			- 13 -				



Baker Butte

Baldy

Bear Wallow

Beaver Head

Bill Williams Summit

Bright Angel Camp Wood Canyon Creek

Canyon Point Chalender

Cheese Springs

Copper Basin Divide

Coronado Trail Crazy Horse

Emory Pass #1 and #2

Forest Dale Ft. Apache Fort Valley

Frisco Divide Gaddes Canyon

Grand Canyon Hannagan Meadows

Happy Jack

Hawley Lake Heber

High Peak Hummingbird

McNary

Inner Basin #1, #2, #3

Iron Springs Maverick Fork McKnight Cabin

Milk Ranch Mingus Mountain

Mogollon Mormon Lake Mormon Mountain

Mt. Ord Newman Park Nutrioso

Redstone Trail Rose Canyon

Silver Creek Divide

Smith Cienega

Snow Bowl #1 and #2

State Line

White Horse Lake Junction

White Spar Whitewater

Williams Ski Run

Wilson Lake Workman Creek SCS - Dick Enz SCS - Bill Cole

Forest Service - Carl Sollers

N. A. Josh

Bill Williams Intermediate Forest Service - John Sotelo Forest Service - John Sotelo

National Park Service - Kenneth Hulick, Dist. Rgr.

Forest Service - Walter G. Richardson

SCS - Dick Enz SCS - Dick Enz

Forest Service - M. Freshour

SCS - Bill Cole SCS - Bill Gray

Forest Service - John O. Maeder Forest Service - Loyd Barnett

SCS - Jim Powell and Travis Stevenson

Bureau of Indian Affairs - Raymond Endfield

SCS - Bill Cole

Rocky Mtn. Forest & Range Exp. Station

Forest Service - J. L. Lockwood

Paul G. Lidbeck

National Park Service - David A. Strope, Dist. Rgr.

N. A. Josh

Forest Service - Warren Harris

Bureau of Indian Affairs - Raymond Endfield

SCS - Dick Enz

Forest Service - Loyd Barnett

Ray Freeman

SCS and USBR - Jack Jorgensen and Jay Roberts

SCS - Bill Gray SCS - Bill Cole Ray Freeman

Bureau of Indian Affairs - Raymond Endfield Bureau of Indian Affairs - Raymond Endfield

Paul G. Lidbeck

James Lyon

SCS - Jack Jorgensen SCS - Jack Jorgensen

Salt River Project - Bill Warskow

SCS - Jack Jorgensen

Forest Service - John O. Maeder

James Lyon

Forest Service - Carl Sollers

James Lyon

Salt River Project - Bill Warskow

Forest Service - Ky Porter Forest Service - J. L. Lockwood Forest Service - John Sotelo

SCS - Bill Gray Ray Freeman

Forest Service - John Sotelo

SCS - Bill Cole

Rocky Mtn. Forest and Range Exp. Station



The Following Organizations Cooperate in the Arizona Snow Survey Work

FEDERAL

Department of Agriculture

Soil Conservation Service

Forest Service

Apache Forest

Coconino Forest

Coronado Forest

Gila Forest

Kaibab Forest

Prescott Forest

Rocky Mountain Forest and Range Experiment Stotion

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Bureau of Indian Affairs
Fort Apache Reservation

San Carlos Irrigation Project

National Park Service

Grand Canyon Notional Park

Gila Water Commissioner Sofford, Arizona

STATE

University of Arizona

Arizona Agriculturol Experiment Station

Woter Resource Research Center

IRRIGATION PROJECTS

Salt River Valley Water Users' Association

Phoenix, Arizona

San Carlos Irrigation ond Drainage District

Coolidge, Arizona

PRIVATE

Southwest Forest Industries, Inc.

Mc Nary, Arizono

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

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"The Conservation of Water begins with the Snow Survey"